

CROSSTALK CANCELLATION CIRCUIT, INTERCONNECTION MODULE,  
INTERCONNECTION METHOD OF AUTOMATIC INTERCONNECTION  
APPARATUS, AND INTEGRATED CIRCUIT

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ABSTRACT OF THE DISCLOSURE

A crosstalk cancellation circuit for suppressing crosstalk noise of interconnections in an integrated circuit, comprising N (N is an even number of 2 or more) number of first inverters, a first interconnection for connecting the N number of first inverters in series, N number of second inverters, and a second interconnection for connecting the N number of second inverters in series, wherein the first and second interconnections are arranged adjacent in parallel to each other, at least one first inverters is arranged at a location where crosstalk noise due to a parasitic capacity between the first and second interconnections is canceled out on the second interconnection, and at least one second inverter is arranged at a location where the crosstalk noise is canceled out on the first interconnection.